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PCT10

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/088,768

DATE: 07/15/2002
TIME: 12:43:36

Input Set : A:\2651.ST25.txt
Output Set: N:\CRF3\07152002\J088768.raw

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 3 <110> APPLICANT: KATO, Kaneyoshi
 4        MORI, Masaaki
 5        SUZUKI, Nobuhiro
 6        SHIMOMURA, Yukio
 7        TAKEKAWA, Shiro
 8        CHOH, Nobuo
10 <120> TITLE OF INVENTION: MCH Antagonists
12 <130> FILE REFERENCE: 2651 USOP
14 <140> CURRENT APPLICATION NUMBER: 10/088,768
15 <141> CURRENT FILING DATE: 2002-06-25
17 <150> PRIOR APPLICATION NUMBER: PCT/JP00/06376
18 <151> PRIOR FILING DATE: 2000-09-19
20 <150> PRIOR APPLICATION NUMBER: JP 11-266278
21 <151> PRIOR FILING DATE: 1999-09-20
23 <150> PRIOR APPLICATION NUMBER: JP 2000-221055
24 <151> PRIOR FILING DATE: 2000-07-17
26 <160> NUMBER OF SEQ ID NOS: 16
28 <170> SOFTWARE: PatentIn version 3.0
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 32
32 <212> TYPE: DNA
33 <213> ORGANISM: artificial
35 <220> FEATURE:
36 <223> OTHER INFORMATION: primer
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43 <211> LENGTH: 32
44 <212> TYPE: DNA
45 <213> ORGANISM: artificial
47 <220> FEATURE:
48 <223> OTHER INFORMATION: primer
50 <400> SEQUENCE: 2
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55 <211> LENGTH: 353
56 <212> TYPE: PRT
57 <213> ORGANISM: rat
59 <400> SEQUENCE: 3
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62 1               5                   10                  15
64 Ile Ser Asp Gly Gln Asp Asn Leu Thr Leu Pro Gly Ser Pro Pro Arg
65              20                  25                  30
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C--> 15
C--> 33
C--> 45

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67 Thr Gly Ser Val Ser Tyr Ile Asn Ile Ile Met Pro Ser Val Phe Gly
68         35                  40                  45
70 Thr Ile Cys Leu Leu Gly Ile Val Gly Asn Ser Thr Val Ile Phe Ala
71     50                  55                  60
73 Val Val Lys Lys Ser Lys Leu His Trp Cys Ser Asn Val Pro Asp Ile
74 65                  70                  75                  80
76 Phe Ile Ile Asn Leu Ser Val Val Asp Leu Leu Phe Leu Leu Gly Met
77                 85                  90                  95
79 Pro Phe Met Ile His Gln Leu Met Gly Asn Gly Val Trp His Phe Gly
80             100                 105                 110
82 Glu Thr Met Cys Thr Leu Ile Thr Ala Met Asp Ala Asn Ser Gln Phe
83         115                 120                 125
85 Thr Ser Thr Tyr Ile Leu Thr Ala Met Thr Ile Asp Arg Tyr Leu Ala
86     130                 135                 140
88 Thr Val His Pro Ile Ser Ser Thr Lys Phe Arg Lys Pro Ser Met Ala
89 145                 150                 155                 160
91 Thr Leu Val Ile Cys Leu Leu Trp Ala Leu Ser Phe Ile Ser Ile Thr
92             165                 170                 175
94 Pro Val Trp Leu Tyr Ala Arg Leu Ile Pro Phe Pro Gly Gly Ala Val
95             180                 185                 190
97 Gly Cys Gly Ile Arg Leu Pro Asn Pro Asp Thr Asp Leu Tyr Trp Phe
98         195                 200                 205
100 Thr Leu Tyr Gln Phe Phe Leu Ala Phe Ala Leu Pro Phe Val Val Ile
101     210                 215                 220
103 Thr Ala Ala Tyr Val Lys Ile Leu Gln Arg Met Thr Ser Ser Val Ala
104 225                 230                 235                 240
106 Pro Ala Ser Gln Arg Ser Ile Arg Leu Arg Thr Lys Arg Val Thr Arg
107             245                 250                 255
109 Thr Ala Ile Ala Ile Cys Leu Val Phe Phe Val Cys Trp Ala Pro Tyr
110             260                 265                 270
112 Tyr Val Leu Gln Leu Thr Gln Leu Ser Ile Ser Arg Pro Thr Leu Thr
113         275                 280                 285
115 Phe Val Tyr Leu Tyr Asn Ala Ala Ile Ser Leu Gly Tyr Ala Asn Ser
116     290                 295                 300
118 Cys Leu Asn Pro Phe Val Tyr Ile Val Leu Cys Glu Thr Phe Arg Lys
119 305                 310                 315                 320
121 Arg Leu Val Leu Ser Val Lys Pro Ala Ala Gln Gly Gln Leu Arg Thr
122             325                 330                 335
124 Val Ser Asn Ala Gln Thr Ala Asp Glu Glu Arg Thr Glu Ser Lys Gly
125             340                 345                 350
127 Thr
130 <210> SEQ ID NO: 4
131 <211> LENGTH: 1074
132 <212> TYPE: DNA
133 <213> ORGANISM: rat
135 <400> SEQUENCE: 4
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138 gatggccagg ataatctcac attgccgggg tcacctcctc gcacagggag tgtctcctac   120
140 atcaacatca ttatgccttc cgtgtttggt accatctgtc tcctgggcat cgtgggaaac   180
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PATENT APPLICATION: US/10/088,768   TIME: 12:43:36

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          Output Set: N:\CRF3\07152002\J088768.raw

```
142 tccacggtca tctttgctgt ggtgaagaag tccaagctac actggtgcag caacgtcccc   240
144 gacatcttca tcatcaacct ctctgtggtg gatctgctct tcctgctggg catgcctttc   300
146 atgatccacc agctcatggg gaacggcgtc tggcactttg gggaaaccat gtgcaccctc   360
148 atcacagcca tggacgccaa cagtcagttc actagcacct acatcctgac tgccatgacc   420
150 attgaccgct acttggccac cgtccacccc atctcctcca ccaagttccg gaagccctcc   480
152 atggccaccc tggtgatctg cctcctgtgg gcgctctcct tcatcagtat cacccctgtg   540
154 tggctctacg ccaggctcat tcccttccca gggggtgctg tgggctgtgg catccgcctg   600
156 ccaaacccgg acactgacct ctactggttc actctgtacc agtttttcct ggcctttgcc   660
158 cttccgtttg tggtcattac cgccgcatac gtgaaaatac tacagcgcat gacgtcttcg   720
160 gtggccccag cctcccaacg cagcatccgg cttcggacaa agagggtgac ccgcacggcc   780
162 attgccatct gtctggtctt ctttgtgtgc tgggcaccct actatgtgct gcagctgacc   840
164 cagctgtcca tcagccgccc gaccctcacg tttgtctact tgtacaacgc ggccatcagc   900
166 ttgggctatg ctaacagctg cctgaacccc tttgtgtaca tagtgctctg tgagaccttt   960
168 cgaaaacgct tggtgttgtc agtgaagcct gcagcccagg ggcagctccg cacggtcagc  1020
170 aacgctcaga cagctgatga ggagaggaca gaaagcaaag gcacctgaac tagt         1074
173 <210> SEQ ID NO: 5
174 <211> LENGTH: 262
175 <212> TYPE: RNA
176 <213> ORGANISM: rat
178 <400> SEQUENCE: 5
179 gcgaauuggg uaccgggccc ccccucgagg ucgacgguau cgauaagcuu gauaucgaau    60
181 uccugcagcc cggggggaucc gcccacuagu ucaggugccu uugcuuucug uccucuccuc   120
183 aucagcuguc ugagcguugc ugaccgugcg gagcugcccc ugggcugcag gcuucacuga   180
185 caacaccaag cguuuucgaa aggucucaca gagcacuaug uacacaaagg gguucaggca   240
187 gcuguuagca uagcccaagc ug                                            262
190 <210> SEQ ID NO: 6
191 <211> LENGTH: 18
192 <212> TYPE: DNA
```
C--> 193 **<213> ORGANISM: artificial**
```
195 <220> FEATURE:
196 <223> OTHER INFORMATION: primer
198 <400> SEQUENCE: 6
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202 <210> SEQ ID NO: 7
203 <211> LENGTH: 18
204 <212> TYPE: DNA
```
C--> 205 **<213> ORGANISM: artificial**
```
207 <220> FEATURE:
208 <223> OTHER INFORMATION: primer
210 <400> SEQUENCE: 7
211 cctggtgatc tgcctcct                                                  18
214 <210> SEQ ID NO: 8
215 <211> LENGTH: 1275
216 <212> TYPE: DNA
217 <213> ORGANISM: human
219 <400> SEQUENCE: 8
220 taggtgatgt cagtgggagc catgaagaag ggagtgggga gggcagttgg gcttggaggc    60
222 ggcagcggct gccaggctac ggaggaagac ccccttccca actgcggggc ttgcgctccg   120
224 ggacaaggtg gcaggcgctg gaggctgccg cagcctgcgt gggtggaggg gagctcagct   180
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Output Set: N:\CRF3\07152002\J088768.raw

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226 cggttgtggg agcaggcgac cggcactggc tggatggacc tggaagcctc gctgctgccc   240
228 actggtccca acgccagcaa cacctctgat ggccccgata acctcacttc ggcaggatca   300
230 cctcctcgca cggggagcat ctcctacatc aacatcatca tgccttcggt gttcggcacc   360
232 atctgcctcc tgggcatcat cgggaactcc acggtcatct tcgcggtcgt gaagaagtcc   420
234 aagctgcact ggtgcaacaa cgtccccgac atcttcatca tcaacctctc ggtagtagat   480
236 ctcctctttc tcctgggcat gcccttcatg atccaccagc tcatgggcaa tggggtgtgg   540
238 cactttgggg agaccatgtg caccctcatc acggccatgg atgccaatag tcagttcacc   600
240 agcacctaca tcctgaccgc catggccatt gaccgctacc tggccactgt ccaccccatc   660
242 tcttccacga agttccggaa gccctctgtg gccaccctgg tgatctgcct cctgtgggcc   720
244 ctctccttca tcagcatcac ccctgtgtgg ctgtatgcca gactcatccc cttcccagga   780
246 ggtgcagtgg gctgcggcat acgcctgccc aacccagaca ctgacctcta ctggttcacc   840
248 ctgtaccagt ttttcctggc ctttgccctg ccttttgtgg tcatcacagc cgcatacgtg   900
250 aggatcctgc agcgcatgac gtcctcagtg gccccccgcct cccagcgcag catccggctg   960
252 cggacaaaga gggtgacccg cacagccatc gccatctgtc tggtcttctt tgtgtgctgg   1020
254 gcaccctact atgtgctaca gctgacccag ttgtccatca gccgcccgac cctcaccttt   1080
256 gtctacttat acaatgcggc catcagcttg ggctatgcca acagctgcct caaccccttt   1140
258 gtgtacatcg tgctctgtga cgttccgc aaacgcttgg tcctgtcggt gaagcctgca   1200
260 gcccagggc agcttcgcgc tgtcagcaac gctcagacgg ctgacgagga gaggacagaa   1260
262 agcaaaggca cctga                                                    1275
```

265 <210> SEQ ID NO: 9
266 <211> LENGTH: 422
267 <212> TYPE: PRT
268 <213> ORGANISM: human
270 <400> SEQUENCE: 9

```
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273 1               5                  10                  15
275 Gly Gly Gly Ser Gly Cys Gln Ala Thr Glu Glu Asp Pro Leu Pro Asn
276             20                  25                  30
278 Cys Gly Ala Cys Ala Pro Gly Gln Gly Gly Arg Arg Trp Arg Leu Pro
279         35                  40                  45
281 Gln Pro Ala Trp Val Glu Gly Ser Ser Ala Arg Leu Trp Glu Gln Ala
282     50                  55                  60
284 Thr Gly Thr Gly Trp Met Asp Leu Glu Ala Ser Leu Leu Pro Thr Gly
285 65                  70                  75                  80
287 Pro Asn Ala Ser Asn Thr Ser Asp Gly Pro Asp Asn Leu Thr Ser Ala
288             85                  90                  95
290 Gly Ser Pro Pro Arg Thr Gly Ser Ile Ser Tyr Ile Asn Ile Ile Met
291             100                 105                 110
293 Pro Ser Val Phe Gly Thr Ile Cys Leu Leu Gly Ile Ile Gly Asn Ser
294         115                 120                 125
296 Thr Val Ile Phe Ala Val Val Lys Lys Ser Lys Leu His Trp Cys Asn
297     130                 135                 140
299 Asn Val Pro Asp Ile Phe Ile Ile Asn Leu Ser Val Val Asp Leu Leu
300 145                 150                 155                 160
302 Phe Leu Leu Gly Met Pro Phe Met Ile His Gln Leu Met Gly Asn Gly
303             165                 170                 175
305 Val Trp His Phe Gly Glu Thr Met Cys Thr Leu Ile Thr Ala Met Asp
306         180                 185                 190
308 Ala Asn Ser Gln Phe Thr Ser Thr Tyr Ile Leu Thr Ala Met Ala Ile
```

```
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     309          195                    200                   205
     311 Asp Arg Tyr Leu Ala Thr Val His Pro Ile Ser Ser Thr Lys Phe Arg
     312      210                    215                   220
     314 Lys Pro Ser Val Ala Thr Leu Val Ile Cys Leu Leu Trp Ala Leu Ser
     315 225                    230                   235                   240
     317 Phe Ile Ser Ile Thr Pro Val Trp Leu Tyr Ala Arg Leu Ile Pro Phe
     318                    245                   250                   255
     320 Pro Gly Gly Ala Val Gly Cys Gly Ile Arg Leu Pro Asn Pro Asp Thr
     321               260                   265                   270
     323 Asp Leu Tyr Trp Phe Thr Leu Tyr Gln Phe Phe Leu Ala Phe Ala Leu
     324           275                   280                   285
     326 Pro Phe Val Val Ile Thr Ala Ala Tyr Val Arg Ile Leu Gln Arg Met
     327      290                    295                   300
     329 Thr Ser Ser Val Ala Pro Ala Ser Gln Arg Ser Ile Arg Leu Arg Thr
     330 305                    310                   315                   320
     332 Lys Arg Val Thr Arg Thr Ala Ile Ala Ile Cys Leu Val Phe Phe Val
     333               325                   330                   335
     335 Cys Trp Ala Pro Tyr Tyr Val Leu Gln Leu Thr Gln Leu Ser Ile Ser
     336               340                   345                   350
     338 Arg Pro Thr Leu Thr Phe Val Tyr Leu Tyr Asn Ala Ala Ile Ser Leu
     339           355                   360                   365
     341 Gly Tyr Ala Asn Ser Cys Leu Asn Pro Phe Val Tyr Ile Val Leu Cys
     342      370                    375                   380
     344 Glu Thr Phe Arg Lys Arg Leu Val Leu Ser Val Lys Pro Ala Ala Gln
     345 385                    390                   395                   400
     347 Gly Gln Leu Arg Ala Val Ser Asn Ala Gln Thr Ala Asp Glu Glu Arg
     348               405                   410                   415
     350 Thr Glu Ser Lys Gly Thr
     351               420
     353 <210> SEQ ID NO: 10
     354 <211> LENGTH: 31
     355 <212> TYPE: DNA
C--> 356 <213> ORGANISM: artificial
     358 <220> FEATURE:
     359 <223> OTHER INFORMATION: primer
     361 <400> SEQUENCE: 10
     362 gtcgacatgg acctggaagc ctcgctgctg c                                 31
     365 <210> SEQ ID NO: 11
     366 <211> LENGTH: 31
     367 <212> TYPE: DNA
C--> 368 <213> ORGANISM: artificial
     370 <220> FEATURE:
     371 <223> OTHER INFORMATION: primer
     373 <400> SEQUENCE: 11
     374 actagttcag gtgcctttgc tttctgtcct c                                 31
     377 <210> SEQ ID NO: 12
     378 <211> LENGTH: 33
     379 <212> TYPE: DNA
C--> 380 <213> ORGANISM: artificial
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 07/15/2002
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Input Set : **A:\2651.ST25.txt**
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Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,6,7,10,11,12,13

VERIFICATION SUMMARY   DATE: 07/15/2002
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Input Set : **A:\2651.ST25.txt**
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L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:33 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:45 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:193 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:205 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
L:356 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:10
L:368 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11
L:380 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12
L:392 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13